History: Allergies
I. Screen prototype: Initial Mode

History: Allergies

II. Screen prototype: Click Edit in Allergies to show entry fields

III. Validate the following:

a. The pages display as per web standards

b. Drop down lists are loaded correctly:
   - **Type**
     - A blank item
     - ENVIRONMENTAL
     - FOODS
     - MEDICATIONS
     - UNKNOWN
     - NO KNOWN ALLERGIES

c. All Allergies display the correct information for the person

d. Paging will be available in the Allergies grid when there are more than five rows of information, and the default is to show five at a time. Keep the current sort order when paging.

e. Sort the lists that are retrieved from the database as follows: Descending Reaction Date

f. Text Boxes - (ALLERGEN, REACTION)
   - All text boxes transform text to uppercase on entry
   - Trim all spaces from the beginning and end of textbox text before checking it for errors and before storing it in the database

g. When the user scrolls, save the position. When the screen reloads, use the latest scroll position to redisplay the screen in the same position as it was prior to the reload.

h. No more than the maximum number of characters can be entered into the following fields:

History: Allergies
- **Allergy**
    - Allergen – 64
    - Reaction - 64
i. The following error messages display in the order of the fields on the screen if applicable when the user clicks Add to List or the ☐ **Save** ☐ button:
    - **Allergy**
        - No Known Allergies cannot be added to list if there are Allergies in the list
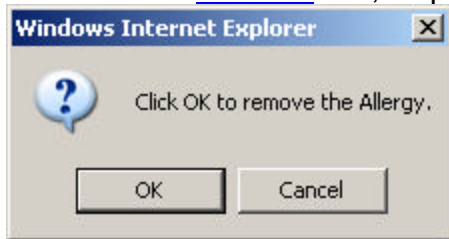   - Cannot Add to List when No Known Allergies is already in the list
        - Type is Required
        - Allergen is required if type is not No Known Allergies.
        - Allergen must be alphabetic, punctuation cannot be entered
        - Reaction must be alphabetic, punctuation cannot be entered
        - Reaction Date cannot be prior to the Person's Date of Birth
        - Reaction Date cannot be in future
        - The current combination of Allergen and Reaction Date is already in the list
        - Information has been entered to add to a list, click Add to List or Clear the information
j. Date Fields: (List Date Fields)
    - Display should include label, entry field, calendar icon, and format

        [Label: ☐ 🗓 (mmddyyyy)]
    - The calendar controls works correctly.
    - Display •MMDDYYYY to the right of the Date field that is not a valid date (i.e. does not have a valid month day year combination) as soon as the user leaves the field. Earliest valid date is 01011800.
    - Date fields - listed above – 8 (must have day in this date so it must be exactly 8 digits)
    - When click the calendar icon and select a date, keep the cursor on the date field so the user can tab to the next field.
k. Use JavaScript on select of No Known Allergies. If checked, then the user cannot tab to the Allergy fields. If not, then the user can tab to the Allergy fields.

IV. Buttons & Links
a. Error Messages - Validation to display messages to the user will not be performed on Clear, Cancel or on **Cancel**
b. Waiting - When click a link that will bring up another page, display a popup with the pyramid image and a message such as of "Working, please wait..." as per standards.
c. When click the ☐ **Save** ☐ button, check
    - ✓ If passes validations, save to database and display Data Saved screen
    - ✓ If fails validations, return error message directly above the Save button that states •Data has not been saved, see error messages above.
d. When click **Cancel** button, reload the screen.
e. When click a Clear link, 1) clear out the entry fields in that section and 2) clear out error messages in that section.
f. When click an Add to List link, validate the entry fields in that section and their combinations.
    - ✓ If passes validation,
        1. Add those items to the grid in a new row that has a Remove link sorted the same as prior to clicking the link and
        2. Clear out the entry fields in that section and
        3. Clear out error messages in that section.

History: Allergies
- ✓ If fails validation, display the error messages above the entry fields in that section.
- g. When click an Edit link to edit a record
  - ✓ Clear out error messages in that section
  - ✓ Display the information for that row in the entry fields
  - ✓ Hide its Add to List and Clear links
  - ✓ Show its Replace and Cancel link instead in the row
  - ✓ Hide the Edit and Remove links in that row
- h. When click Replace link to replace a record, do the same as when click Add to List link, but if it passes validation then show its Add to List and Clear links and hide its Replace link.
- i. When click Cancel link to cancel edit of a record, do the same as when click the Clear link. Then show its Add to List and Clear links and hide its Replace link.
- j. When click a Remove link, display the following popup.

Windows Internet Explorer

Click OK to remove the Allergy.

[OK] [Cancel]

  - ✓ If click OK,
    4. Remove the row from the grid display and if it was the only row, display "No items" as displayed in the screen shot above and
    5. Clear out the entry fields in that section and
    6. Clear out error messages in that section.
  - ✓ If click Cancel, then do not remove the row from the grid display and do not clear any entry fields or error messages.
- k. Sorting - When click a column header in a grid, check to see if the sort is currently on that column. If so, sort the list on that column ascending or descending (opposite of what it currently is). If not, sort the list on that column ascending. Dates sort include the month, day and year.
- l. Tab Order - The tab order should default as top to bottom left to right unless otherwise stated.

V. Database routines
a. Allergies Information should be stored in the proposed table structure below.

Table:	Field on Screen	Database column	
SURVWEB.SURVWEB_PARTY_ALLERGIES PK SURVWEB_PARTY_ALLERGIES_ID FK1 SURVWEB_PARTY_ID ALLERGY_TYPE ALLERGEN REACTION REACTION_DATE ENTRY_DATETIME ENTRY_USERID LAST_CHANGED_DATETIME LAST_CHANGED_USERID	NA	SURVWEB_PARTY_ALLERGIES_ID	Generate the SURVWEB_PARTY_HOSP_ID
	NA	SURVWEB_PARTY_ID	Set SURVWEB_PARTY_ID to SURVWEB_PARTY_ID
	TYPE	ALLERGY_TYPE	
	ALLERGEN	ALLERGEN	
	REACTION	REACTION	
	REACTION_DATE	REACTION_DATE	
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = SYSDATE
	NA	ENTRY_USERID	Set ENTRY_USERID = userid
	NA	LAST_CHANGED_DATETIME	NULL
	NA	LAST_CHANGED_USERID	NULL

VI. Database routines – NOTES or COMMENTS

Comments will be save to SURVWEB_PARTY_NOTE with a note type of PARTY_ALLERGIES.

Table:	Field on Screen	Database column	
SURVWEB_PARTY_NOTE **PK SURVWEB_PARTY_NOTE_ID** **FK1 SURVWEB_PARTY_ID** **NARRATIVE_TEXT** **NOTE_TYPE** **ENTRY_DATETIME** **ENTRY_USERID**	NA	SURVWEB_PARTY_NOTE_ID	Generate a SURVWEB_PARTY_NOTE_ID
	NA	SURVWEB_PARTY_ID	Set SURVWEB PARTY_ID = the person's party id
	Note	NARRATIVE_TEXT	NARRATIVE_TEXT
	NA	NOTE_TYPE	Set NOTE_TYPE = PARTY ALLERGIES(when entered from the ALLERGIES node)
	NA	ENTRY_DATETIME	Set ENTRY_DATETIME = current date time
	NA	ENTRY_USERID	Set ENTRY_USERID = userid